



[Go to Product page](#)

Datasheet for ABIN968851

## anti-RUVBL2 antibody (AA 180-228)

2 Images

3 Publications

### Overview

Quantity:	50 µg
Target:	RUVBL2
Binding Specificity:	AA 180-228
Reactivity:	Human, Mouse, Rat, Dog, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RUVBL2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

### Product Details

Immunogen:	Human Reptin 52/TIF-496 aa. 180-228
Clone:	42-TIP49b
Isotype:	IgG1
Cross-Reactivity:	Dog (Canine), Rat (Rattus), Mouse (Murine), Chicken
Characteristics:	<ol style="list-style-type: none"><li>1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.</li><li>2. Please refer to us for technical protocols.</li><li>3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.</li><li>4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.</li></ol>
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

## Product Details

---

chromatography.

## Target Details

---

Target: RUVBL2

Alternative Name: TIP49b ([RUVBL2 Products](#))

Background: Processes involving DNA transcription, replication and repair are necessary in maintaining normal cell function. For each of these processes, the double stranded NA must first be unwound. This is achieved in an ATP-dependent manner by enzymes termed DNA helicases. Reptin52/TIP49b is a DNA helicase that directly interacts with Pontin52/TIP49a. Reptin52/TIP49b and Pontin52/TIP49a belong to a family of highly conserved proteins that share homology with the bacterial protein RuvB, a helicase involved in double-strand break repair and homologous recombination. Both are TATA binding protein (TBP) interacting proteins that bind to beta-Catenin and are among the 12 polypeptides that comprise the INO80 chromatin-remodeling complex. It has also been demonstrated that Reptin52/TIP49b and Pontin52/TIP49a can be found in a complex with the proto-ncogene c-myc. Reptin52/TIP49b and Pontin52/TIP49a have antagonistic roles as Reptin/TIP49b represses gene activation mediated by beta-Catenin and c-myc, whereas Pontin52/TIP49a stimulates gene activation. Thus, Reptin52/TIP49b and Pontin52/TIP49a are transcriptional co-factors that work together to help control multiple pathways.

Molecular Weight: 52 kDa

Pathways: [Telomere Maintenance](#)

## Application Details

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Concentration: 250 µg/mL

Buffer: Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C

Storage Comment: Store undiluted at -20°C.

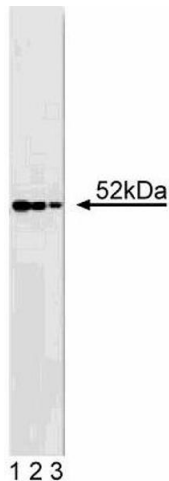
## Publications

Product cited in: Cho, Bhoumik, Broday, Ivanov, Rosenstein, Ronai: "TIP49b, a regulator of activating transcription factor 2 response to stress and DNA damage." in: **Molecular and cellular biology**, Vol. 21, Issue 24, pp. 8398-413, (2001) ([PubMed](#)).

Bauer, Chauvet, Huber, Usseglio, Rothbacher, Aragnol, Kemler, Pradel: "Pontin52 and reptin52 function as antagonistic regulators of beta-catenin signalling activity." in: **The EMBO journal**, Vol. 19, Issue 22, pp. 6121-30, (2000) ([PubMed](#)).

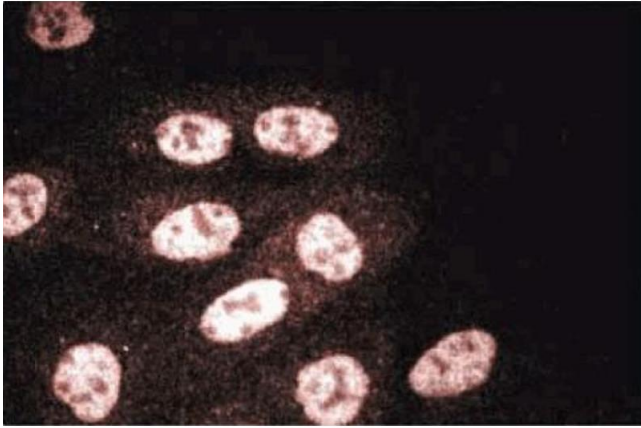
Kanemaki, Kurokawa, Matsu-ura, Makino, Masani, Okazaki, Morishita, Tamura: "TIP49b, a new RuvB-like DNA helicase, is included in a complex together with another RuvB-like DNA helicase, TIP49a." in: **The Journal of biological chemistry**, Vol. 274, Issue 32, pp. 22437-44, (1999) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** Western blot analysis of TIP49b on HeLa lysate. Lane 1: 1:500, lane 1: 1:1000, lane 3: 1:2000 dilution of TIP49b.



**Image 2.** MDCK